Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/19/2021 08:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123683	-2	2.34	123590	2.31
Blue	F	SSC	125000	121810	-3	3.16	122077	3.05
Blue	E	FITC	13131	12636	-4	3.22	290	15.34
Blue	D	PE	24112	23488	-3	2.83	537	11.04
Blue	B	PerCP-Cy5-5	31295	30386	-3	3.83	1006	14.74
Blue	A	PE-Cy7	19939	19791	-1	5.76	527	29.33
Red	C	APC	42122	41011	-3	2.76	1722	11.45
Red	A	APC-Cy7	22340	21527	-4	3.15	807	11.54
Violet	B	V450	7410	7069	-5	3.86	430	13.05
Violet	A	V500	28118	26729	-5	3.40	668	10.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22493	2.74	580	11	N/A	N/A	Pass
Blue	F	SSC	56655	2.08	517	5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	484	-3	0.0475	171	Pass
Blue	D	PE	112	37.53	487	-1	0.4194	320	Pass
Blue	B	PerCP-Cy5-5	185	35.35	583	-3	0.0195	28	Pass
Blue	A	PE-Cy7	104	69.05	627	-1	0.0220	2	Pass
Red	C	APC	396	23.94	577	1	0.0269	143	Pass
Red	A	APC-Cy7	178	27.61	552	1	0.0064	1064	Pass
Violet	B	V450	60	65.03	457	4	0.0523	2003	Pass
Violet	A	V500	96	34.84	468	3	0.0251	844	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.54	-31.22	1.05
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.69	13.60 - 20.40	N/A	N/A	29.68	29.90	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 15523

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments